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FREDERICK G. CLAPP, of the Associated Geological Engineers, has returned from the gas fields of Hungary, and has gone to New Brunswick in company with Mr. Myron L. Fuller and Mr. Lloyd B. Smith of the same bureau.

MR. D. A. BANNERMAN has returned from a zoological mission to the eastern islands of the Canary group, undertaken with the object of procuring birds for the Natural History Museum, London.

SIR WILLIAM OSLER will distribute the prizes and deliver an address at St. George's Hospital on October 1.

THE lectures at the Harvey Society in the Academy of Medicine, New York City, will be inaugurated on October 4 by a demonstrative lecture by Dr. A. D. Waller, of London, entitled "A Short Account of the Origin and Scope of Electrocardiography." Subsequent lecturers are Professor Adolph Schmidt, Halle; Dr. Charles V. Chapin, Providence, R. I.; Dr. Rufus Cole, Rockefeller Institute; Professor G. H. Parker, Harvard; Dr. Victor C. Vaughan, Ann Arbor, Mich.; Professor Sven Hedin, Upsala, Sweden, and Professor J. J. R. Macleod, Western Reserve University.

A LECTURE will be delivered on October 7 at the University of Birmingham by Professor Arthur Keith, F.R.S., on "The Present Problems Relating to the Antiquity of Man."

A TABLET has been unveiled at Primiero, Southern Tyrol, on the house in which Alois Negrelli was born, to commemorate his work as surveyor of the Suez Canal.

MR. EDWARD LYMAN MORRIS, since 1907 curator of natural science in the Museum of the Brooklyn Institute and since 1898 special plant expert of the U. S. National Museum and the U. S. Department of Agriculture, died on September 14, aged forty-three years.

PROFESSOR MOSES CRAIG, formerly professor of botany at the Oregon Agricultural College and botanist of the station, later in charge of the herbarium of the Shaw Botanical Garden, St. Louis, died on August 31. He was graduated from the Ohio State University in

1889 and received a master's degree from Cornell University in 1890.

WE learn from the London *Times* that the future of the educational museums, founded and equipped by the late Sir Jonathan Hutchinson, at Haslemere, Selby (Yorks), and 22, Chenies-Street, London, is causing some concern. In his will Sir Jonathan leaves the museums to his trustees to dispose of as they may think best. In his lifetime he spent on the museums and their equipment at least £30,000. At Haslemere there is a strong feeling that everything should be done to retain the museum for the town, and it is understood that the family are willing to hand it over to a responsible committee or body of trustees so that the museum may be placed on a permanent and public basis. The annual cost of maintenance on present lines is about £400, and an appeal will shortly be issued with the hope of securing this sum for five years at least, it being thought that by that time those who are interested in the matter will have had an opportunity of deciding what are the best steps to be taken for the permanent control and maintenance of the museum.

#### UNIVERSITY AND EDUCATIONAL NEWS

By the will of Miss Katherine Allen, of Worcester, the Worcester Polytechnic Institute received a bequest amounting to about \$100,000.

MRS. RUSSELL SAGE has given \$34,000 to Syracuse University, of which \$30,000 is for the Joseph Slocum Agricultural College.

MRS. ELLA STRONG DENISON, widow of the late Dr. Charles Denison, proposes to give a medical building to the University of Colorado. The wings will be used for laboratories, and the central tower will have a lecture room and a library. The west wing is now being built. It will be called the Henry S. Denison Laboratory in memory of Mrs. Denison's son, who was a member of the University of Colorado faculty.

FROM the list of doctorates conferred by American universities, published in SCIENCE

for September, there were omitted four degrees given by the University of California: The recipients were: Harold Childs Bryant, in zoology; Wilson Gee, in zoology; Harry Noble Wright, in mathematics, and Friedrich Alexander Wyneken, in German.

DR. A. G. POHLMAN, of Indiana University, has accepted the professorship of anatomy in the school of medicine in St. Louis University.

DR. C. L. ANDREWS, of the Johns Hopkins University, has been appointed professor of anatomy in the University of Mississippi Medical College.

DR. LEONARD W. ELY, of Denver, Colorado, was appointed associate professor of orthopedic surgery, and Dr. Ralph W. Majors, instructor in pathology, at a recent meeting of the board of trustees of Stanford University. On October first there will be opened a clinic in orthopedic surgery in quarters which are being fitted up for the purpose in the medical school buildings in San Francisco.

RALPH W. CURTIS, B.S.A., who was for four years assistant superintendent of the Arnold Arboretum of Harvard University, has been appointed assistant professor of landscape art in the college of agriculture of Cornell University.

JOSIAH MAIN, of the State Normal School, Hays, Kansas, has been appointed professor of agriculture for schools in the State Agricultural and Mechanical College, at Stillwater, Oklahoma.

PAUL S. WELCH, Ph.D. (Illinois), has been appointed instructor in entomology in the Kansas State Agricultural College, and assistant entomologist of the experiment station to fill the place made vacant by the resignation of Dr. M. C. Tanquary, who is accompanying the Crocker Land Arctic Expedition. Dr. John W. Scott, assistant professor of zoology and assistant station zoologist in charge of investigations in parasitology in the Kansas State Agricultural College, has resigned to become professor and head of the department of zoology and parasitology in the University of Wyoming. J. E. Ackert,

Ph.D. (Illinois), has been appointed to the position in Kansas made vacant by Dr. Scott's resignation.

THE following appointments to the faculty of the Alabama Polytechnic Institute and Experiment Station have just been made: Professor Ernest Walker, graduate of Cornell, formerly the head of the department of horticulture in the University of Arkansas, to be head of the department of horticulture; G. S. Templeton, B.S. (Missouri, '11), who has been for the past two years instructor in animal industry in the Texas College, to be head of the department of animal industry; L. S. Blake, a graduate of the University of Michigan, becomes acting head of the department of pharmacy as substitute for Professor E. R. Miller, who becomes acting assistant professor of plant chemistry in the University of Wisconsin. Lucius W. Summers, who has been assistant professor of animal industry for the past two years, has resigned to accept the position of professor of animal industry in the Virginia Polytechnic Institute.

DR. J. AUSTIN BANCROFT has been appointed by the governors of McGill University Dawson professor of geology.

DR. A. D. IMMS has been appointed to the newly created post of reader in agricultural entomology at the University of Manchester. Dr. Imms was formerly professor of biology in the University of Allahabad, and afterwards forest entomologist to the government of India at the Imperial Research Institute, Dehra Dun.

#### DISCUSSION AND CORRESPONDENCE

THE DATA OF INTER-VARIETAL AND INTER-SPECIFIC COMPETITION IN THEIR RELATION TO THE PROBLEM OF NATURAL SELECTION

TO THE EDITOR OF SCIENCE: Biometricians have clearly demonstrated<sup>1</sup> that of the variations which occur within the limits of the species some have far less chance of survival than others. In short, the intra-specific death

<sup>1</sup> See several papers in *Biometrika* and two general reviews in the *Popular Science Monthly* for 1911 and 1913.